

IMPROVEMENT OF SOILS.

The most extensive use of guano as a manure is apt to make us overlook a very important principle in successful cultivation: namely, the mechanical condition of the soil. I have been led to a consideration of this subject, by the remarks of a correspondent in a late newspaper, where he seems to consider the mole useful for "feeding on worms." It must not be forgotten that plants do not feed on soil, as we generally understand it. Properly speaking, soil is the medium through which the plant obtains its food. It is, then, quite as necessary to inquire whether our soil is in a fit condition to receive nutriment for the plant, as what nutriment is best fitted for it.

The various gases of the atmosphere, heat, moisture, and the elementary substances that compose organic matter, enter largely into the food of plants. If the mechanical condition of the soil is bad, that is if it be too loose or too hard, too wet or too dry, these principles cannot be made available to the plant. If the soil is too loose, all the insoluble particles are carried away by every shower, and little is left but silicious matter for the support of the plant. A wet soil, on the other hand, sooner dries in hot weather, and becomes, in familiar language, "as hard as brick," and plants in such soil, soon die for want of moisture, in a dry spell. If a soil then be too light, a dressing of clay, mud, or any thing binding, will be of more lasting service than the most powerful application of guano, or any chemical manure; while if it be too heavy, it will be essentially benefited by an application of coarse material, or, what is better, draining. In the absence of these improvements, farm-yard manure will be of far more service than guano, as it has a tendency to keep the soil open, and less liable to "bind." Many farmers have noted how various are the results of the experiments with guano; some finding great benefit, while, in some, it fails to produce any effect; while, in the latter instances, beyond manure has yielded a fair return. This arises from the latter acting mechanically as well as chemically, and not from any weakness in the quality of guano as manure. A further hint can be taken from this: it shows the advantage that the farmer has whose soil is in a fine mechanical condition; he can apply any kind of manure to his soil with the effect he desires.

The poor, "mole-c" worm, whose destruction by the insect, our friend above alluded to, so rejoices over, is a very important agent in the mechanical improvement of soils. Feeding on the debris of vegetable matter, his exertions tend to give light soils a firmer basis; but it is in stiff soils that his services are more important. Here his mending courses through the silent clay, form the channels thro' which water is conveyed through soils, and with it, its attendant followers, heat, air, and the gases from the surface. Soil thus in which is moist and aerated, not only is enriched by these means, but the mechanical condition is so much improved that it is not so subject to much from drought as the air which worms were scarce, because the air which worms were scarce, because the air which worms were scarce, because the air which worms were scarce...

SILVER MEDAL.

Awarded to this Machine at the Fair of the American Institute, New York, Oct. 1853. Also at the Exhibition at Philadelphia, 1853. And at the Exposition at New Orleans, 1853. Also at the Exposition at Lowell, Mass., 1853. And at the Exposition at Worcester, Mass., 1853. And at the Exposition at Boston, 1853.



HICKOK'S PATENT IMPROVED OILER MILL.

This is a new and improved Oiler Mill, and is the best and most perfect ever made. It is a simple and easy machine, and is adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

HICKOK'S PATENT IMPROVED OILER MILL.

This is a new and improved Oiler Mill, and is the best and most perfect ever made. It is a simple and easy machine, and is adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

NEW DRUG STORE!!!

At No. 45 South Second Street, Philadelphia. JOHN STONE & SONS. No. 45 South Second Street, Philadelphia. A RE now opening for the Fall, Trade a well selected assortment of Goods, suitable for the season. CHEMICAL AND DRUG STORE. It is a new and improved Oiler Mill, and is the best and most perfect ever made. It is a simple and easy machine, and is adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

Wool Advertisements.

FALL MILLINERY GOODS. JOHN STONE & SONS. No. 45 South Second Street, Philadelphia. A RE now opening for the Fall, Trade a well selected assortment of Goods, suitable for the season. CHEMICAL AND DRUG STORE. It is a new and improved Oiler Mill, and is the best and most perfect ever made. It is a simple and easy machine, and is adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

Medicines.

"PANKORTE." MYERS' EXTRACT OF ROCK ROSE. An Invaluable Remedy for all Scrophulous Affections, Indigestion, Scurvy, Rheumatism, Headache, Cancer, Nervous Sore Mouth, and General Debility, and as a Purifier of the Blood it is Unparalleled. The Rock Rose has gained a reputation at home and abroad, which no other medicine has ever done in the same length of time. According to the opinions of eminent Physicians, the Rock Rose is unquestionably the best Curing Scrophulous in its Various Forms. STATEMENT OF REV. E. R. WARREN. (Pastor of the 2d Baptist Church, New London, Ct.) relating to MYERS' Extract Rock Rose. To the American Public. As my name has been used in connection with recommendations of Mr. Myers' Rock Rose Syrup, in various advertisements by the manufacturer, I feel bound to make the following statement for the satisfaction of my friends and the benefit of my countrymen. I have used the Rock Rose Syrup in various cases of Scrophulous Affections, and in all cases it has proved to be a most valuable medicine. It has cured me of Scrophulous Affections, and has cured me of Scrophulous Affections. It has cured me of Scrophulous Affections, and has cured me of Scrophulous Affections.

Patent Medicines.

EPILEPSY CAN BE CURED. Gallo's Vegetable Compound. EPILEPSY ON FITS! It is performing more wonderful cures than any other medicine yet known or before the public. PRICE FIVE DOLLARS A BOTTLE. The proprietor has in his possession numerous certificates, relating to the cure of Epilepsy, effected by this medicine. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

RECOLLECT THIS IS THE NEW AND IMPROVED MILL.

THE subscriber continues to manufacture at his Foundry in East High Street, having 10000 lbs of cast iron on hand, and is prepared to execute orders for all kinds of machinery. He has also a large stock of iron pipes, and is prepared to execute orders for all kinds of machinery. He has also a large stock of iron pipes, and is prepared to execute orders for all kinds of machinery.

THE MEXICAN MUSTANG LINIMENT.

Through Express. MESSRS. A. G. BRAGG & CO. - Grand Agents for the State of New York. MUSTANG LINIMENT with the most perfect success. One of our most valuable Express Agents has been enabled to procure this Liniment from the owners, and has had it sent to New York, and is now on hand. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

THE EIGHTH ST. SILK STORE.

No. 8, North Eighth Street, Philadelphia. J. V. DEPUY. Fine French Merinos, French Cashmeres, French Alpaca, French Angora, French Lace, French Silk, French Cotton, French Wool, French Linen, French Flannel, French Muslin, French Ribbon, French Velvet, French Shawl, French Mantilla, French Cloak, French Hat, French Bonnet, French Glove, French Stocking, French Hosiery, French Footwear, French Jewelry, French Toys, French Stationery, French Books, French Maps, French Globes, French Instruments, French Tools, French Hardware, French Groceries, French Provisions, French Produce, French Manufactures, French Goods, French Merchandise, French Goods, French Merchandise, French Goods, French Merchandise.

DOCTOR YOUR OWN PRIVATE.

DR. J. M. WALKER'S REMEDY FOR SCROPHULOUS AFFECTIONS. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

Cumberland Valley Institute.

A select Boarding School embracing two distinct and separate Departments, Male & Female. REV. J. S. LOOSE, A. M., Principal. This Institution will hereafter occupy the site of the abandoned site of the late Dr. J. M. Walker's Seminary, and will be under the care of Dr. J. M. Walker, who has been appointed its Principal. It is a most valuable institution, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

AGRICULTURAL WAREHOUSE AND SEED STORE.

THE subscriber has connected with his extensive Grocery, connected with his extensive Agricultural Warehouse and Seed Store, near the city of Philadelphia, and is prepared to execute orders for all kinds of machinery. He has also a large stock of iron pipes, and is prepared to execute orders for all kinds of machinery.

THE MUSTANG LINIMENT.

It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

THE MEXICAN MUSTANG LINIMENT.

Through Express. MESSRS. A. G. BRAGG & CO. - Grand Agents for the State of New York. MUSTANG LINIMENT with the most perfect success. One of our most valuable Express Agents has been enabled to procure this Liniment from the owners, and has had it sent to New York, and is now on hand. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

DOCTOR YOUR OWN PRIVATE.

DR. J. M. WALKER'S REMEDY FOR SCROPHULOUS AFFECTIONS. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

Cumberland Valley Institute.

A select Boarding School embracing two distinct and separate Departments, Male & Female. REV. J. S. LOOSE, A. M., Principal. This Institution will hereafter occupy the site of the abandoned site of the late Dr. J. M. Walker's Seminary, and will be under the care of Dr. J. M. Walker, who has been appointed its Principal. It is a most valuable institution, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

USEFUL FRAGRANT AND GOOD.

B. J. KIEFFER has just returned from Philadelphia with an additional supply of fresh HIRSH'S TOILET SOAP, which is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

THE MEXICAN MUSTANG LINIMENT.

Through Express. MESSRS. A. G. BRAGG & CO. - Grand Agents for the State of New York. MUSTANG LINIMENT with the most perfect success. One of our most valuable Express Agents has been enabled to procure this Liniment from the owners, and has had it sent to New York, and is now on hand. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

THE EIGHTH ST. SILK STORE.

No. 8, North Eighth Street, Philadelphia. J. V. DEPUY. Fine French Merinos, French Cashmeres, French Alpaca, French Angora, French Lace, French Silk, French Cotton, French Wool, French Linen, French Flannel, French Muslin, French Ribbon, French Velvet, French Shawl, French Mantilla, French Cloak, French Hat, French Bonnet, French Glove, French Stocking, French Hosiery, French Footwear, French Jewelry, French Toys, French Stationery, French Books, French Maps, French Globes, French Instruments, French Tools, French Hardware, French Groceries, French Provisions, French Produce, French Manufactures, French Goods, French Merchandise, French Goods, French Merchandise.

DOCTOR YOUR OWN PRIVATE.

DR. J. M. WALKER'S REMEDY FOR SCROPHULOUS AFFECTIONS. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

Cumberland Valley Institute.

A select Boarding School embracing two distinct and separate Departments, Male & Female. REV. J. S. LOOSE, A. M., Principal. This Institution will hereafter occupy the site of the abandoned site of the late Dr. J. M. Walker's Seminary, and will be under the care of Dr. J. M. Walker, who has been appointed its Principal. It is a most valuable institution, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

SPRING FASHIONS FOR 1853.

GEORGE KELLER respectfully announces to his old and new customers and the public generally, that he has just received from the most celebrated and experienced makers of the most fashionable and elegant styles of Gentlemen's Hats, manufactured at one of the best establishments in London. He has also a large stock of iron pipes, and is prepared to execute orders for all kinds of machinery. He has also a large stock of iron pipes, and is prepared to execute orders for all kinds of machinery.

THE MEXICAN MUSTANG LINIMENT.

Through Express. MESSRS. A. G. BRAGG & CO. - Grand Agents for the State of New York. MUSTANG LINIMENT with the most perfect success. One of our most valuable Express Agents has been enabled to procure this Liniment from the owners, and has had it sent to New York, and is now on hand. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

THE EIGHTH ST. SILK STORE.

No. 8, North Eighth Street, Philadelphia. J. V. DEPUY. Fine French Merinos, French Cashmeres, French Alpaca, French Angora, French Lace, French Silk, French Cotton, French Wool, French Linen, French Flannel, French Muslin, French Ribbon, French Velvet, French Shawl, French Mantilla, French Cloak, French Hat, French Bonnet, French Glove, French Stocking, French Hosiery, French Footwear, French Jewelry, French Toys, French Stationery, French Books, French Maps, French Globes, French Instruments, French Tools, French Hardware, French Groceries, French Provisions, French Produce, French Manufactures, French Goods, French Merchandise, French Goods, French Merchandise.

DOCTOR YOUR OWN PRIVATE.

DR. J. M. WALKER'S REMEDY FOR SCROPHULOUS AFFECTIONS. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

Cumberland Valley Institute.

A select Boarding School embracing two distinct and separate Departments, Male & Female. REV. J. S. LOOSE, A. M., Principal. This Institution will hereafter occupy the site of the abandoned site of the late Dr. J. M. Walker's Seminary, and will be under the care of Dr. J. M. Walker, who has been appointed its Principal. It is a most valuable institution, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

DRUGS! DRUGS! DRUGS!

WE have just received a large stock of Medicines, and are prepared to execute orders for all kinds of machinery. We have also a large stock of iron pipes, and are prepared to execute orders for all kinds of machinery.

THE MEXICAN MUSTANG LINIMENT.

Through Express. MESSRS. A. G. BRAGG & CO. - Grand Agents for the State of New York. MUSTANG LINIMENT with the most perfect success. One of our most valuable Express Agents has been enabled to procure this Liniment from the owners, and has had it sent to New York, and is now on hand. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

THE EIGHTH ST. SILK STORE.

No. 8, North Eighth Street, Philadelphia. J. V. DEPUY. Fine French Merinos, French Cashmeres, French Alpaca, French Angora, French Lace, French Silk, French Cotton, French Wool, French Linen, French Flannel, French Muslin, French Ribbon, French Velvet, French Shawl, French Mantilla, French Cloak, French Hat, French Bonnet, French Glove, French Stocking, French Hosiery, French Footwear, French Jewelry, French Toys, French Stationery, French Books, French Maps, French Globes, French Instruments, French Tools, French Hardware, French Groceries, French Provisions, French Produce, French Manufactures, French Goods, French Merchandise, French Goods, French Merchandise.

DOCTOR YOUR OWN PRIVATE.

DR. J. M. WALKER'S REMEDY FOR SCROPHULOUS AFFECTIONS. It is a most valuable medicine, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.

Cumberland Valley Institute.

A select Boarding School embracing two distinct and separate Departments, Male & Female. REV. J. S. LOOSE, A. M., Principal. This Institution will hereafter occupy the site of the abandoned site of the late Dr. J. M. Walker's Seminary, and will be under the care of Dr. J. M. Walker, who has been appointed its Principal. It is a most valuable institution, and is well adapted for the use of small farms and villages. It is a very useful machine, and is well adapted for the use of small farms and villages.